

Title (en)

STORAGE DEVICE FOR FIBRE MATERIAL WITH A CLEANING UNIT

Title (de)

SPEICHERVORRICHTUNG FÜR FASERMATERIAL MIT EINER REINIGUNGSEINHEIT

Title (fr)

DISPOSITIF DE STOCKAGE POUR MATIÈRE FIBREUSE DOTÉ D'UNE UNITÉ DE NETTOYAGE

Publication

**EP 3533912 B1 20220914 (DE)**

Application

**EP 19155509 A 20190205**

Priority

DE 102018102860 A 20180208

Abstract (en)

[origin: US2019241365A1] A fiber material storage device for a textile includes a storage chute having a chute housing and a supply line leading into the storage chamber. Fiber material is pneumatically conveyed with conveying air into the storage chamber. A cleaning unit in the storage chamber cleans contamination from the conveying air and includes a cleaning chamber. A semipermeable dividing wall is situated between the storage chamber and the cleaning chamber to retain the fiber material in the storage chamber and allow the contaminated conveying air to flow into the cleaning chamber. A filter element is situated in the conveying air flow between the cleaning chamber and outer surroundings to retain the contamination in the cleaning chamber and allow filtered conveying air to escape into the surroundings. The cleaning housing has a collection chamber situated underneath the cleaning chamber, wherein the contamination retained by the filter element settles in the collection chamber.

IPC 8 full level

**D01G 23/02** (2006.01)

CPC (source: CN EP US)

**B01D 46/00** (2013.01 - CN); **B01D 46/12** (2013.01 - CN); **B01D 46/56** (2022.01 - CN); **B08B 9/08** (2013.01 - US); **B65G 3/04** (2013.01 - US); **D01G 23/02** (2013.01 - CN EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 3533912 A2 20190904**; **EP 3533912 A3 20190918**; **EP 3533912 B1 20220914**; CN 110129926 A 20190816; DE 102018102860 A1 20190808; US 11008168 B2 20210518; US 2019241365 A1 20190808

DOCDB simple family (application)

**EP 19155509 A 20190205**; CN 201910086978 A 20190129; DE 102018102860 A 20180208; US 201916270064 A 20190207